

METHOD OF FABRICATION TO SHARPEN CORNERS OF Y-BRANCHES IN
INTEGRATED OPTICAL COMPONENTS AND OTHER MICRO-DEVICES

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ABSTRACT OF THE DISCLOSURE

Substantially sharp corners for optical waveguides in integrated optical devices, photonic crystal devices, or for micro-devices, can be fabricated. Non-sharp corners such as rounded corners, are first formed using lithographic patterning and vertical etching. Next, isotropic etching is used to sharpen the rounded corners. A monitor can be used to determine if the rounded corners have been sufficiently sharpened by the isotropic etching.

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